

ABSTRACT OF THE DISCLOSURE

An apparatus and method for enhancing speech quality in digital communications. In the speech-quality enhancing apparatus, an input buffer stores a sum signal of a first input signal to be transmitted
5 and an echo signal generated from a received second input signal at a predetermined time interval. An echo canceller receives the sum signal based on a unit of a buffer from the input buffer, cancels the echo signal from the sum signal, and outputs the first input signal. A noise canceller receives the first input signal based on
10 the buffer unit from the echo canceller, and cancels a noise from the first input signal. A level controller receives the first input signal based on the buffer unit from the noise canceller, and adjusts a level of the first input signal. A speech compression module receives the first input signal based on the buffer unit from the
15 level controller, converts the first input signal into a digital signal, and compresses the digital signal. Various information items produced as results of operations can be shared, and operation performances can be enhanced on the basis of the shared information items.

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